

Tender text

Project name

Project ID

Customer

Contact

E-mail

Phone

Company

Contact

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Phone

2025-01-20

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Pos.no	Description	Item no.
	Submersible dirty water motor pumps	
	Amarex Fmax 080-220/049 F 2 US G	39120169
	Amarex	
	KSB submersible motor pump for waste water applications, in grey cast iron and special materials	
	Vertical submersible motor pump set for wet installation, single-stage, with three-phase motor to IEC standards. Temperature sensor for protection against overheating, optional leakage sensor in the motor space, power cable with resin-sealed, absolutely water-tight cable entry and service-friendly plug-type connection in the motor space.	
	Pump set:	
	Make	: KSB
	Impeller	: Amarex F / 080-220
	type	: F-max vortex impeller
	F-max is a vortex impeller optimised for operating reliability. With its large free passage of 100 mm max. it is especially suitable for handling waste water containing all kinds of solids and fibres.	
	Impeller diameter	: 170 mm
	Free passage	: 80 mm
	Operating data:	
	Fluid handled	: Water
	Flow rate	:
	Head	:
	Power input	: 5,83 kW
	Operating temperature	: 40 °C max.
	Drive:	
	Nominal voltage	: 3~400 V
	Nominal frequency	: 50 Hz
	Starting method	: DOL / star-delta starting is also possible
	Enclosure	: IP68 to EN 60529 / IEC 529,



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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	Explosion protection	thermal class H			
	Max. fluid temperature	: Without			
	Thermal motor protection	: 40 °C			
	Leakage sensor in the motor space	: Temperature sensor			
	Efficiency class	: no			
	Duty type	: S1 submerged / with motor section partly outside the fluid			
	Motor rating P2	: 4,9 kW			
	Motor rating P1	: 5,83 kW			
	Motor efficiency	: 84%			
	Nominal current	: 9,85 A			
	Speed	: 2.838 1/min			
	Cable length	: 10 m			
	Cable entry with individually stripped, friendly plug-type	: Screwed cable entry / cable entry resin-embedded cores and service-connection inside the motor			
	Materials:				
	Pump casing Class 35B)	: Grey cast iron EN-GJL-250 (A 48			
	Handle	: 1.4306			
	Impeller Class 35B)	: Grey cast iron EN-GJL-250 (A 48			
	Discharge cover Class 35B)	: Grey cast iron EN-GJL-250 (A 48			
	Suction cover Class 35B)	: Grey cast iron EN-GJL-250 (A 48			
	Shaft	: 1.4021			
	Cable sheath	: Chloroprene rubber			
	Elastomer seals	: Nitrile-butadiene-rubber NBR			
	Coating	: Two-component high-solid epoxy resin			
	Colour	: RAL 5002			
	Shaft seal:				
	2 independent mechanical seals arranged in the oil reservoir				
	Pump end	: Bellows-type mechanical seal			

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Pos.no	Description	Item no.	Qty.	UP / EUR	TP / EUR
	Motor end	: Bellows-type mechanical seal,			
	Carbon-Al2O3				
	Oil fill	: Environmentally friendly, non-toxic oil			
	Dimensions and connections:				
	Nominal size	: PN 16			
	Discharge side				
	Nominal size	: DN 80			
	Suction side				
	Weight	: 86 kg			
	Pump				
	Purchase order information:				
	Make	: KSB			
	Type series / size	: Amarex F080-220			
	Material price group	: 18			
	Weight	: 86 kg			
	Item number	: 39120169			
	Motor: 492USG				

Data sheet: technical data

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Item-No.

Design

Type / Coding

Submersible dirty water motor pumps

Amarex Fmax 080-220/049 F 2 US G

Company

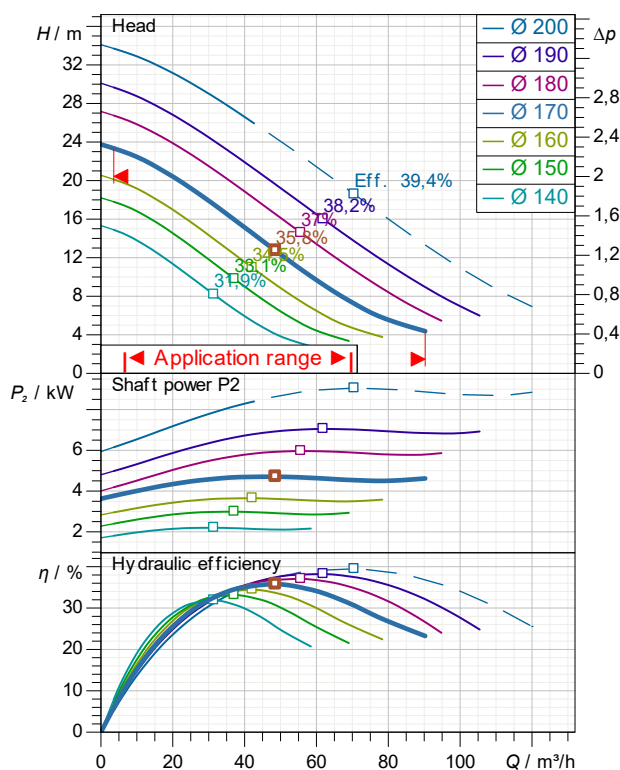
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demand data

Flow

Total head

Geodetic head

Media

Liquid temperature

Water

20 °C

Pump data

Make

Type

Design

Specific design

No. of pumps

Standby pump

Max. fluid temperature

KSB

Amarex Fmax 080-220/049 F 2 US G

Submersible dirty water motor p

Single head pump

1

No

40 °C

Hydraulic data (Duty point)

Flow

Head

Material / sealing element

Casing

Cover

Suction cover material

Discharge cover

Shaft

Impeller

O-Rings

Grey cast iron EN-GJL-250 (A 48 Class 35B)

Grey cast iron EN-GJL-250 (A 48 Class 35B)

Grey cast iron EN-GJL-250 (A 48 Class 35B)

Grey cast iron EN-GJL-250 (A 48 Class 35B)

1.4021

Grey cast iron EN-GJL-250 (A 48 Class 35B)

Nitrile-butadiene-rubber NBR

Dimensions

Discharge flange standard

DN 80

Rated motor data

Power input (P1)

Rated power (Pn)

Speed

Rated voltage

Rated current (In)

5,83 kW

4,9 kW

2.838 1/min

400 V

9,85 A

Product information

Ident. No./ type key

Weight loaded

Gross price

PL 2025-01-20

Price group

39120169

86 kg

6.908,07 EUR

